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**From:** Lutfy, Caitlyn (CDC/DDID/NCEZID/DFWED) [vxa3@cdc.gov]  
**Sent:** 3/1/2021 6:34:54 PM  
**To:** Mattas-Curry, Lahne [Mattas-Curry.Lahne@epa.gov]; Jennings, Susan [Jennings.Susan@epa.gov]; Willis, Kristen [Willis.Kristen@epa.gov]  
**CC:** Fajardo, Julius - OCE, Washington, DC [julius.fajardo@usda.gov]  
**Subject:** RE: EPA public resources on agriculture practices

Thanks, Lahne,

I searched the linked terms from the blog, "biopesticide" and "integrated pest management", within the EPA website. Much of the IPM info seemed geared toward schools but I found one that seems to focus on agriculture. See the two pages below. Looking at this quickly as a very naïve non-farmer, are these practices two things we'd recommend rather than fungicide use? If it's a more complicated answer then I am fine with us not having anything for now and we can simply say we are not the agriculture experts and our working with our federal partners, if asked. But if these work, then that's great too.

[Integrated Pest Management \(IPM\) Principles | Pest Control and Pesticide Safety for Consumers | US EPA](#)  
[Biopesticides | Pesticides | US EPA](#)

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**From:** Mattas-Curry, Lahne <Mattas-Curry.Lahne@epa.gov>  
**Sent:** Monday, March 1, 2021 1:23 PM  
**To:** Lutfy, Caitlyn (CDC/DDID/NCEZID/DFWED) <vxa3@cdc.gov>; Jennings, Susan <Jennings.Susan@epa.gov>; Willis, Kristen <Willis.Kristen@epa.gov>  
**Cc:** Fajardo, Julius - OCE, Washington, DC <julius.fajardo@usda.gov>  
**Subject:** RE: EPA public resources on agriculture practices

Thanks Susan, thanks Cait.

When I did a quick google search, I did come up with this blog

<https://blog.epa.gov/2015/02/02/farmers-shift-towards-virtually-non-toxic-alternatives-for-pest-control/>

but the links are broken – do you know if the pages that it was linking to actually exist anymore? Seems like they might be something simple that Cait could link to as alternatives?

Anyway, glad we have all connected and will be working together more on this topic!  
Lahne

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**From:** Lutfy, Caitlyn (CDC/DDID/NCEZID/DFWED) <vxa3@cdc.gov>  
**Sent:** Monday, March 1, 2021 12:01 PM  
**To:** Jennings, Susan <Jennings.Susan@epa.gov>; Willis, Kristen <Willis.Kristen@epa.gov>; Mattas-Curry, Lahne <Mattas-Curry.Lahne@epa.gov>  
**Cc:** Fajardo, Julius - OCE, Washington, DC <julius.fajardo@usda.gov>  
**Subject:** RE: EPA public resources on agriculture practices

Thank you all. I am connected with Dawn and Michael. I just wanted to see if there was anything already out there on alternatives to pesticide use separate from the larger issue on antimicrobial resistance and triazole specifics. It looks like there is not at this time. I know you are working on more.  
Thanks for looking into it.

Thanks,  
Cait

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**From:** Jennings, Susan <[Jennings.Susan@epa.gov](mailto:Jennings.Susan@epa.gov)>  
**Sent:** Monday, March 1, 2021 11:53 AM  
**To:** Willis, Kristen <[Willis.Kristen@epa.gov](mailto:Willis.Kristen@epa.gov)>; Mattas-Curry, Lahne <[Mattas-Curry.Lahne@epa.gov](mailto:Mattas-Curry.Lahne@epa.gov)>  
**Cc:** Lutfy, Caitlyn (CDC/DDID/NCEZID/DFWED) <[vx33@cdc.gov](mailto:vx33@cdc.gov)>; Fajardo, Julius - OCE, Washington, DC <[julius.fajardo@usda.gov](mailto:julius.fajardo@usda.gov)>  
**Subject:** RE: EPA public resources on agriculture practices

Sure. This issue is gaining a lot of traction and we've been working on it with the PACCARB, along with Dawn Sievert and Michael Craig.

There is a definite need for this type of information, but we do not yet have any resources or information posted online for it. You might try Julius Fajardo at USDA, cc'd above, but I'm not sure that much of the work is posted online yet. This is most assuredly a work in progress.

Please let me know if you have any other questions.

Susan.

Susan Jennings  
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**From:** Willis, Kristen <[Willis.Kristen@epa.gov](mailto:Willis.Kristen@epa.gov)>  
**Sent:** Monday, March 1, 2021 8:28 AM  
**To:** Mattas-Curry, Lahne <[Mattas-Curry.Lahne@epa.gov](mailto:Mattas-Curry.Lahne@epa.gov)>  
**Cc:** Jennings, Susan <[Jennings.Susan@epa.gov](mailto:Jennings.Susan@epa.gov)>  
**Subject:** RE: EPA public resources on agriculture practices

Hi Lahne!

I am cc'ing our OPP CDC liaison, Susan Jennings. I know Susan has been active on the antimicrobial task force.

Susan: Can you help Lahne with this question?

Thanks,  
Kristen

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**From:** Mattas-Curry, Lahne <[Mattas-Curry.Lahne@epa.gov](mailto:Mattas-Curry.Lahne@epa.gov)>  
**Sent:** Monday, March 01, 2021 8:11 AM  
**To:** Willis, Kristen <[Willis.Kristen@epa.gov](mailto:Willis.Kristen@epa.gov)>  
**Subject:** FW: EPA public resources on agriculture practices

Non-covid request

Hey Kristen, I am working with CDC on antimicrobial resistance research etc and one of the comms folks had a question about whether or not we have any recommendations or information on what farmers could use instead of triazole and if there's a page on our website (see request below) – a quick google search brought me to an old blog post about farmers

using alternate pesticides/fungicides, but the link to the EPA page where the info seemed to be was broken. Do you happen to know or can you point me to someone who might?

Thanks!  
Lahne

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**From:** Lutfy, Caitlyn (CDC/DDID/NCEZID/DFWED) <[vxa3@cdc.gov](mailto:vxa3@cdc.gov)>  
**Sent:** Friday, February 26, 2021 5:09 PM  
**To:** Mattas-Curry, Lahne <[Mattas-Curry.Lahne@epa.gov](mailto:Mattas-Curry.Lahne@epa.gov)>  
**Subject:** EPA public resources on agriculture practices

Hi Lahne,

It was great to meet you last week. I mentioned that we have a paper coming out about triazole-resistant *Aspergillus* and the increase in triazole fungicide use in U.S. agriculture. I am working on talking points and messaging and we always want to conclude with some positive behavior change take away. I have messaging for awareness, triazole stewardship for clinicians. We'd also like to point to alternatives for farmers to reduce triazole fungicide use. As CDC does not have expertise in agriculture and we want to stay in our area and refer to federal resources, I was wondering if you know of and could point me to any EPA webpages or existing public resources on alternative practices to reduce synthetic pesticide/fungicide use, if there are any.

Don't spend too much time on this.

Appreciatively,  
Cait

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